LESSON MAKER PRO

Fair Share Fractions

Divide whole amounts into equal shares.

GRADE 5 · 5.NF.B.11

5.NF.B.11 "Solve word problems involving division of whole numbers leading to answers in the form of fractions or mixed numbers. a. Model and interpret a fraction as division of the numerator by the denominator (a/b= a ÷ b) b..."

NAME _____ DATE _____

THE BIG IDEA

To find one equal share, divide the amount by the number of people or groups. You can write the answer as a fraction: amount ÷ groups = amount/groups. If the share is greater than 1, you can write it as a mixed number.

WORKED EXAMPLE

Share 3 pizzas equally among 4 friends. How much pizza does each friend get?

One friend's share 

1. Cut each pizza into 4 equal pieces.
2. Give each friend 1 piece from each pizza.
3. Each friend gets 3 pieces, or 3/4 of a pizza.

Answer: 3 ÷ 4 = 3/4 pizza

PRACTICE 4 problems

1 Write 2 ÷ 5 as a fraction.

ANSWER _____

2 Write 6/11 as a division equation.

ANSWER _____

3 Find 7 ÷ 2. Write a mixed number.

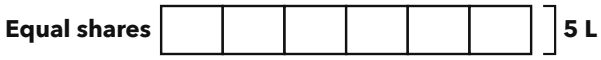
ANSWER _____

4 Find 9 ÷ 6. Write a mixed number.

ANSWER _____

APPLY IT Show your work

1 Six teammates split 5 liters of sports drink equally. How much does each get? Use the strip to write a division equation.



ANSWER _____

2 A costume club splits 11 yards of fabric equally among 5 makers. How many yards does each maker get? Write a mixed number.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A game club splits 13 pizzas equally among 6 tables. Jae says each table gets 13/6 pizza. Eli says 2 1/6 pizzas. Are both right? Explain with an equation.

WORK SPACE AND ANSWER

ANSWER KEY

Fair Share Fractions

GRADE 5 · 5.NF.B.11

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Write 2 ÷ 5 as a fraction.	**2/5**
2	Write 6/11 as a division equation.	**6 ÷ 11 = 6/11**
3	Find 7 ÷ 2. Write a mixed number.	**3 1/2**
4	Find 9 ÷ 6. Write a mixed number.	**1 1/2**

PART 2 · APPLY IT

1. **5 ÷ 6 = 5/6 L per teammate** The strip shows 5 liters split into 6 equal shares. Each share is 5 ÷ 6 = 5/6 liter.
2. **2 1/5 yards** Divide 11 by 5. Each maker gets 11/5 = 2 1/5 yards.

CHALLENGE

Both are right. 13 ÷ 6 = 13/6 = 2 1/6 pizzas per table.

Accept equivalent fractions for division answers. For the mixed-number practice problems, require mixed numbers as directed.